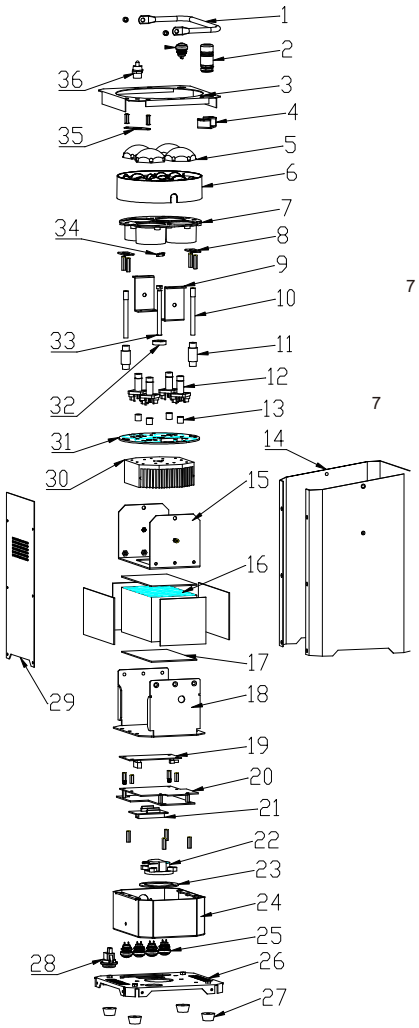
7 APPENDIX

7.1 MAINTENANCE

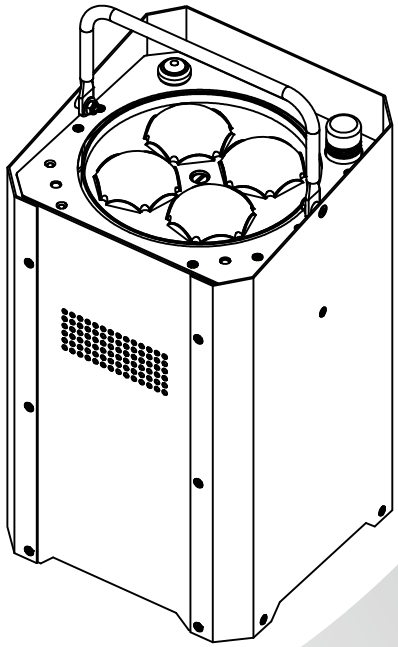


No.	Item Name
1	Hanger
2	Wireless Receiver
3	Top cover
4	Fix board of wireless Receiver.
5	Lens.
6	Plastic cover 1 for fixing lens.
7	Plastic cover 2 for fixing lens.
8	Fixed board for zoom
9	Connecting bracket for zoom.
10	Zooming supporter
11	Zooming pillar
12	Light Guid Bart
13	light barrier.
14	Body cover A
15	Arm
16	Lithium battery
17	Foam pad.
18	Lithium battery holder.
19	Wireless receiver board.
20	Driver board
21	Display board.
22	Recharge socket A.
23	Bearer for recharge socket A
24	PCB holder.
25	Button of display board
26	Full-featured control panel.
27	Foot.
28	Power switch.
29	Body cover B.
30	Cooling aluminum.
31	Led board.
32	Zooming nut.
33	Zooming screw.
34	Connector for lens
35	Fixed board for LED charge indicator.
36	LED charge indicato.

USER MANUAL

4X10W RGBW 4 IN 1

Led Wireless Battery Zoom Light



CE RoHS

Please Read Over This Manual Before Operating The Light Fixture

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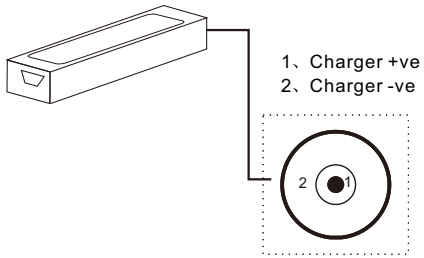
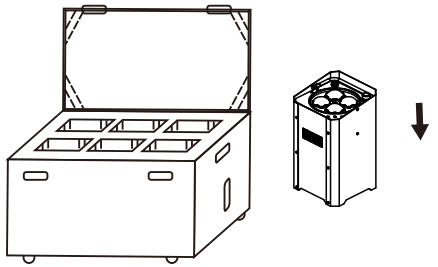
6.3 CHARGER SPECIFICATIONS

Voltage: AC100-240V, 50/60Hz
Output: DC24V, 3A



6.4 FLIGHTCASE SPECIFICATIONS

Voltage: AC100-240V, 50,60Hz
Rated Power: 300W
Weight: 21KG
Dimensions: 730 x 400 x 520mm



6.5 IMPORTANT FACTS:

HOW TO CARE FOR YOUR BATTERY!

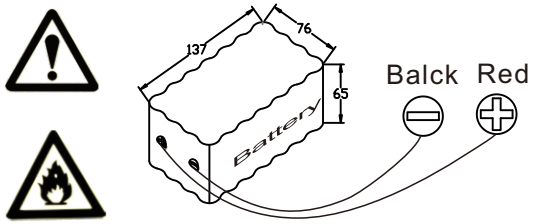
CHARGING
- DO NOT CHARGE FOR MORE THAN 24HRS
- RECHARGE WITHIN 3 DAYS OF USE
- CHARGE WITH FLIGHTCASE OPEN

STORING
- STORE WITH FULL LOAD
- TURN OFF AT BASE WHEN STORING FOR MORE THAN 7 DAYS
- STORE IN AN UPRIGHT POSITION

6 BATTERY CHARGING

6.1 BATTERY SPECIFICATIONS:

Type of bettery:Lithium Battery
Voltage: 24V
Storage Capacity: 8800mA
Charge Time: 8 hrs
Discharge Time: 8hrs (in fixture at full output)
Weight: 1.2Kg
Dimensions:135X65X76mm



6.2 SPECIAL CONSIDERATIONS:

Charging
- Do not charge for more than 24 hours
- Always charge with flightcase open
- It is recommended to charge at a temperature between 0℃ to 35℃
- Always recharge within 3 days of use
- Always charge with supplied charger

Operation
- Recommended ambient temperature is between 0℃ to 35℃
- Always use fixture in a vertical or near-vertical position (<30deg. from vertical)
- Do not operate in a sealed enclosure with insufficient air flow

Storage
- Always store at a temperature below 35℃ (below 25℃ is best)
- Always store in a vertical position
- Always store fully charged
- It is important to carry out one full discharge and charge cycle every 3 months
- Always use the battery switch when storing for longer than 7 days
- Store in a dry environment away from direct sunlight

Maintenance
- Always switch off the battery switch when carrying out maintenance
- Do not allow battery contacts come into contact with fixture housing
- Do not link the positive and negative terminals in any way

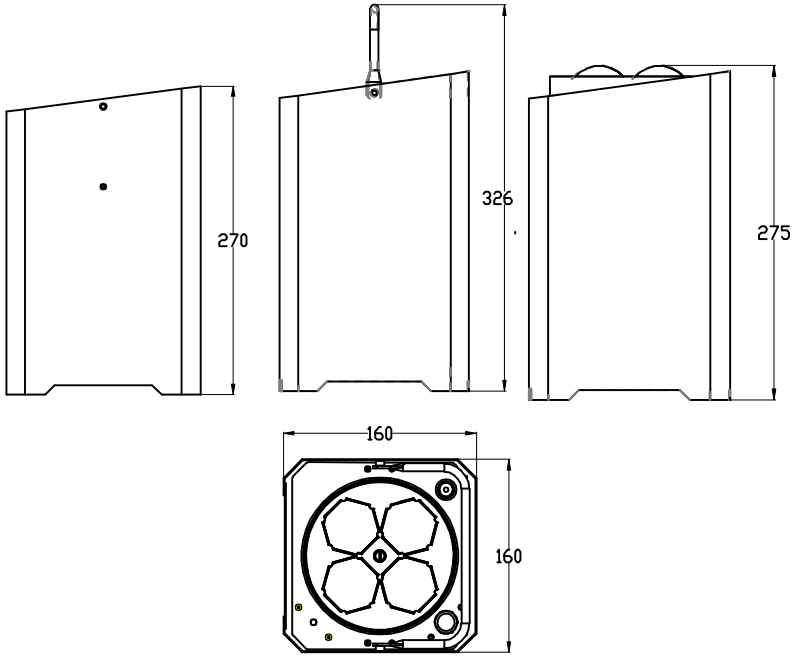
1 PRODUCT SPECIFICATIONS

1.1 TECHNICAL SPECIFICATIONS

LED MODULE

LED MODULE:	4pcsx10W（RGBW 4 in 1 LED）
Voltage	24VDC
Zoom Range	7~60°
Power	40W
Type of bettery	Lithium Battery
IP Rating	IP 44
Operation Temperature	0℃~35℃(operating)
	0℃~35℃(startup)
Dimensions	270x160x160mm
Weight	4.5Kg

1.2 DIMENSIONS



1.3 SAFETY WARNING

IMPORTANT

【ALWAYS READ THE USER MANUAL BEFORE OPERATION. 】
【PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.】

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- Do not stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

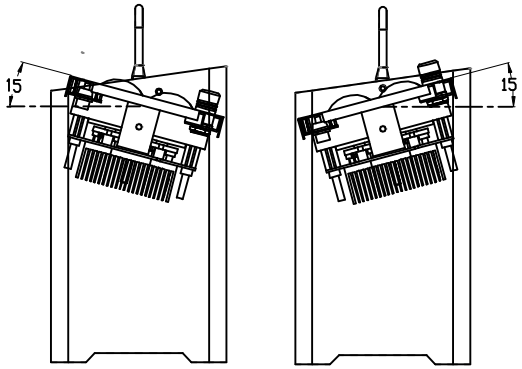
ATTENTION

- Do not operate in a sealed enclosure with insufficient air flow
- Do not operate in an environment with temperatures in excess of 45deg. C.
- Do not operate store in close proximity to source of fire.
- Always charge with supplied charger
- Do not charge for more than 24 hours
- Always turn off battery storage switch when storing for longer than 7 days
- Always store with full load
- Always charge with flightcase open
- Always carry out one full discharge and charge cycle every 3 months
- Always store in a dry environment away from direct sunlight

2 GETTING STARTED

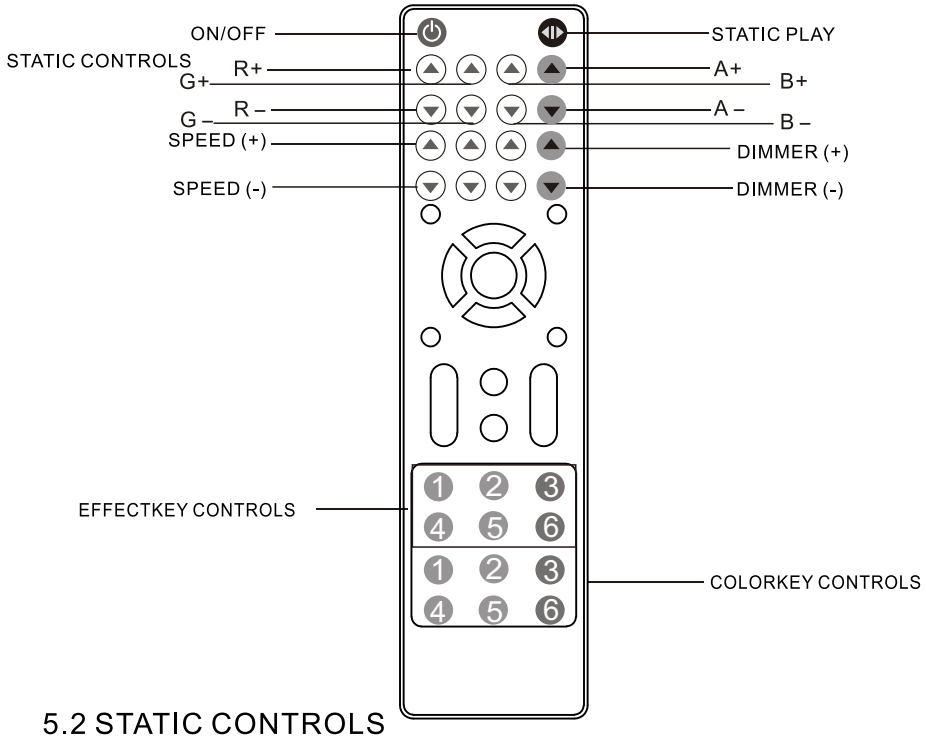
2.1 OPERATING POSITION

- This lighting fixture is powered using a Lithium Battery which requires that the correct product orientation is always maintained for operation.



5 EASYPLAY REMOTE CONTROL

5.1 KEY FUNCTIONS



5.2 STATIC CONTROLS

- Select the [STATIC PLAY] key to enter the [STATIC] play mode.
- Adjust [STATIC] play using [RED], [GREEN], [BLUE] and [STROBE].
- Adjust light level using the [DIMMER] keys.

5.3 EFFECT CONTROLS

- Select from [EFFECTKEY 01] to [EFFECTKEY 06] to play required play function (see section 2.3.3 for further information on how to patch [EFFECTKEY])
- Select [SPEED (+)] or [SPEED (-)] to adjust speed play function.
- It is not possible to adjust the light level of the EFFECT programs using the [DIMMER] keys.

5.4 COLOR CONTROLS

- Select from [COLORKEY 01] to [COLORKEY 06] to play required pre-set color (see section 2.3.3 for further information on how to create/edit [COLORKEY])
- Adjust light level using the [DIMMER] keys.
- Edit colors by press & holding a [COLORKEY] until lighting fixtures flash, then adjust using [RED], [GREEN], [BLUE], [STROBE] and [DIMMER] keys. (exit by selecting any other key)

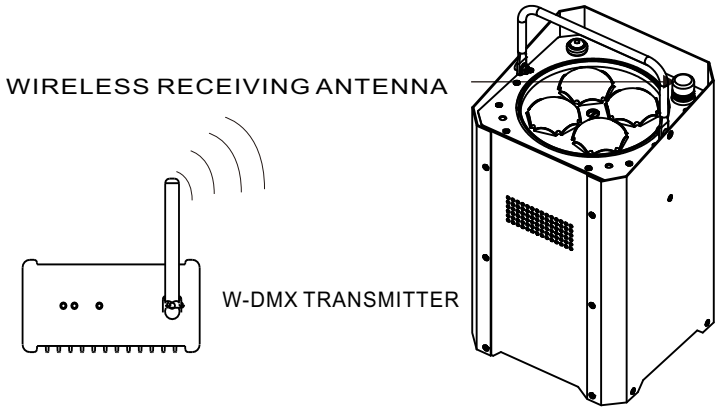
AR2.S

CHANNEL	VALUE	FUNCTION
1	0⇔255	DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE
6	0⇔255	STROBE

HSV

CHANNEL	VALUE	FUNCTION
1	0⇔255	HUE
2	0⇔255	SATURATION
3	0⇔255	VALUE

5 OPERATION WITH WIRELESS DMX

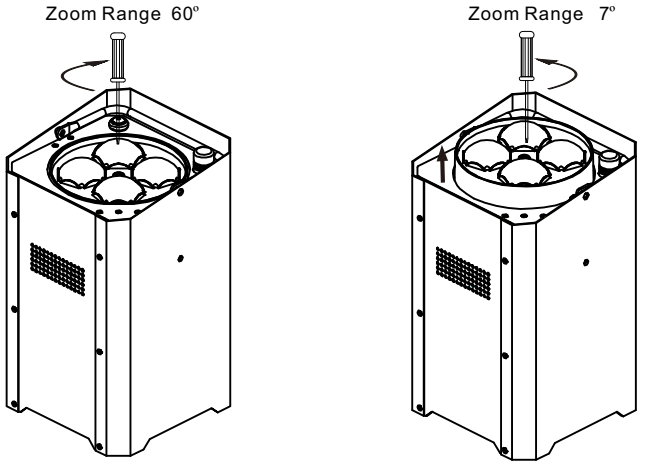


5.1 When using this lighting fixture with W-DMX receiver installed inside, the fixture may be placed at a range of 300m from W-DMX transmitter

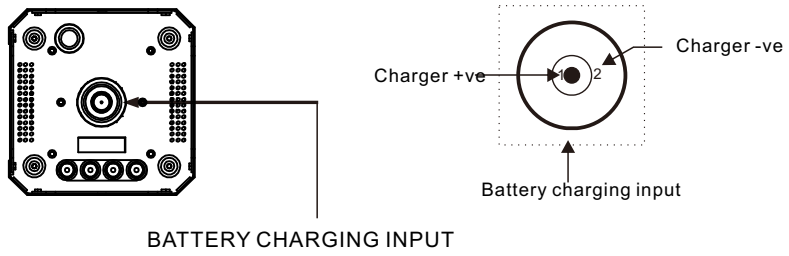
5.2 Select DMX from the <RUN> menu.

5.3 Select ACTI from the <WDMX> menu and proceed to turn ON the WDMX. If the WDMX receiver card is already paired with a WDMX transmitter then the fixture is ready for receiving DMX signal. If the WDMX receiver card needs to be paired with a new WDMX transmitter, select YES from the <WDMX >/<REST> menu. The green signal indicator LED will not show which confirms that WDMX receiver card is unpaired and ready for new pairing.。

ZOOM RANGE (7~60°)

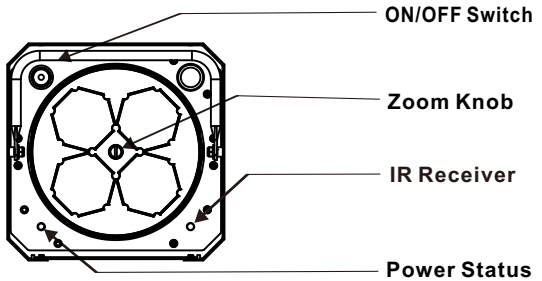


2.2 BATTERY CHARGING INPUT



- Do not connect DMX
- Only for specified charger(in flight case or single charger)
- Do not connect any other data cables

2.3 GENERAL OPERATION



GREEN: >70%
YELLOW: >20%
RED: EMPTY

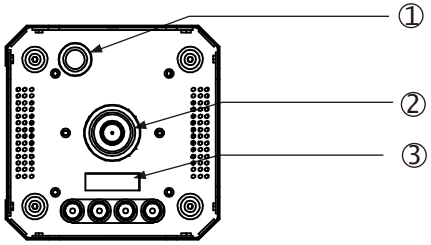
2.3.1 POWER STATUS

- During operation, the **Power Statuas** indicator will indicate the amount of battery power that is remaining. The battery should be recharged when RED is shown.
- During charging, the **Power Statuas** indicator will indicate the amount of battery power that has been charged to the battery. When the battery is fully charged the GREEN LED will immediately switch off.
- In the event that the battery storage switch is OFF, it is not possible to charge the battery. In this case, when the mains power is connected to the fixture, the **Power Statuas** indicator will show GREEN for 30 seconds and then fade out. This shows that electrical contact has been made between the lighting fixture and the battery charging system. The **Battery Storage Swicth** must be ON in order to charge the battery.
- In order to check the current status of the battery, the battery charging system should be turned OFF. The fixture can then be turned ON using the EVENT ON/OFF button and the **Power Statuas** can be checked.

2.3.2 ON/OFF SWITCH

- Press the SWITCH ON/OFF button for 3 seconds to turn on/off lighting fixture (when BATTERY SWITCH is ON)
- SWITCH ON/OFF button indicator LED when showing constant RED indicates lighting fixture is power ON (when slowly flashing indicates that DMX data is successfully received)

2.4 OTHER OPERATIONS



2.4.1 ANTENNA RELEASE

- When releasing support antenna with hand

2.4.2 BATTERY SWITCH

- ON for operation/charging
- OFF for storage (>7 days)
- OFF for maintenance
- Always use the **Battery Switch** when storing for more than 7 days
- **Battery Switch** must be ON for operation and charging

ARC.1

CHANNEL	VALUE	FUNCTION
1	0⇔255	RED
2	0⇔255	GREEN
3	0⇔255	BLUE

ARR.D

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE

ARC2

CHANNEL	VALUE	FUNCTION
1	0⇔255	RED
2	0⇔255	GREEN
3	0⇔255	BLUE
4	0⇔255	WHITE

AR2.D

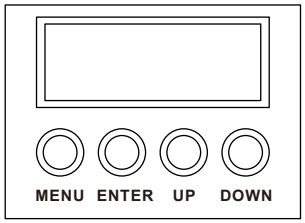
CHANNEL	VALUE	FUNCTION
1	0⇔255	DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE
5	0⇔255	WHITE

CHANNEL	VALUE	FUNCTION
11	221⇔ 225	WHITE5：5600K
	226⇔ 230	WHITE6：5900K
	231⇔ 235	WHITE7：6500K
	236⇔ 240	WHITE8：7200K
	241⇔ 245	WHITE9：8000K
	246⇔ 250	WHITE10：8500K
	251⇔ 255	WHITE11：10000K
12	0⇔ 10	**STROBE** NO FUNCTION
	11⇔ 255	1~20Hz
13	0⇔ 40	**AUTO** NO FUNCTION
	41⇔ 50	AUTO 1
	51⇔ 60	AUTO 2
	61⇔ 70	AUTO 3
	71⇔ 80	AUTO 4
	81⇔ 90	AUTO 5
	91⇔ 100	AUTO 6
	101⇔ 110	AUTO 7
	111⇔ 120	AUTO 8
	121⇔ 130	AUTO 9
	131⇔ 140	AUTO 10
	141⇔ 150	PR.01
	151⇔ 160	PR.02
	161⇔ 170	PR.03
	171⇔ 180	PR.04
	181⇔ 190	PR.05
	191⇔ 200	PR.06
	201⇔ 210	PR.07
	211⇔ 220	PR.08
	221⇔ 230	PR.09
	231⇔ 255	PR.10
14	0⇔ 255	**AUTO SPEED ADJUSTMENT** When using CH10,AUTO01-AUTO10, this function activated
15		**DIMMER SPEED**
	0⇔ 9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10⇔ 29	LINEAR DIMMER
	30⇔ 69	NON LINEAR DIMMER 1（fastest）
	70⇔ 129	NON LINEAR DIMMER 2
	130⇔ 189	NON LINEAR DIMMER 3
	190⇔ 255	NON LINEAR DIMMER 4（slowest）

3 USING THE MENU

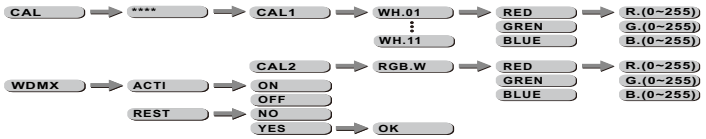
3.1 BASIC

The LED fixture is mounted with a LCD display
And 4 control buttons.



【MENU】 scroll through the main menu or return to the main menu
【ENTER】 enter the currently selected menu or confirm the current function value
【 UP 】 scroll 'UP' through the menu list or increase the value of the current function
【 DOWN 】 scroll 'DOWN' through the menu list or decrease the value of the current function

3.2 MENU

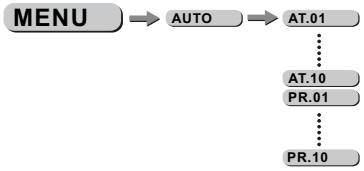


3.3 EDIT STATIC COLOUR

【*STATIC COLOUR*】

- Combine 【***Red***】, 【***Green***】, 【***Blue***】 and 【***White***】 to create an infinite range of colors (0-255)
- Set the value of the 【***Strobe***】 (0-20Hz)

3.4 ACTIVATING AUTO PROGRAMS



【*AUTO*】

- Select the target 【***AUTO***】 program and press 【***ENTER***】.
- Programs 【***AT.01***】 to 【***AT.10***】 are fully pre-programmed and will not be altered by changes in 【***EDIT***】 mode.
- Programs 【***PR.01***】 to 【***PR.10***】 are fully pre-programmed and can be edited in 【***EDIT***】 mode.

3.5 DMX512 SETTINGS

【*DMX*】

- Enter the 【***DMX***】 mode to set the **DMX ADDRESS**.

3.6 RUN MODE

【*RUN*】

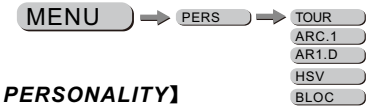
- Enter the 【***RUN***】 mode to set working mode.
- 【***DMX***】 mode is for using the DMX512 controller to control the fixtures.
- 【***SLAV***】 mode is for Master -- Slave operation.

TR16

CHANNEL	VALUE	FUNCTION
1	0⇔255	**MASTER DIMMER**
2	0⇔255	**MASTER DIMMER FINE**
3	0⇔255	**RED**
4	0⇔255	**RED FINE**
5	0⇔255	**GREEN**
6	0⇔255	**GREEN FINE**
7	0⇔255	**BLUE**
8	0⇔255	**BLUE FINE**
9	0⇔255	**WHITE**
10	0⇔255	**WHITE FINE**
11		**COLOR MACRO&WHITE**
	0⇔10	NO FUNCTION
	11⇔30	RED100%/GREEN UP/BLUE0%
	31⇔50	RED DOWN/GREEN 100%/BLUE0%
	51⇔70	RED 0%/GREEN 100%/BLUE UP
	71⇔90	RED 0%/GREEN DOWN/BLUE 100%
	91⇔110	RED UP/GREEN 0%/BLUE100%
	111⇔130	RED100%/GREEN 0%/BLU EDOWN
	131⇔150	RED100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔200	RED100%/GREEN 100%P/BLUE100%
	201⇔205	WHITE1: 3200K
	206⇔210	WHITE2: 3400K
	211⇔215	WHITE3: 4200K
	216⇔220	WHITE4: 4900K

CHANNEL	VALUE	FUNCTION
6	221⇔225	WHITE5：5600K
	226⇔230	WHITE6：5900K
	231⇔235	WHITE7：6500K
	236⇔240	WHITE8：7200K
	241⇔245	WHITE9：8000K
	246⇔250	WHITE10：8500K
	251⇔255	WHITE11：10000K
7		**STROBE**
	0⇔10	NO FUNCTION
	11⇔255	1~20Hz
8		**AUTO**
	0⇔40	NO FUNCTION
	41⇔50	AUTO 1
	51⇔60	AUTO 2
	61⇔70	AUTO 3
	71⇔80	AUTO 4
	81⇔90	AUTO 5
	91⇔100	AUTO 6
	101⇔110	AUTO 7
	111⇔120	AUTO 8
	121⇔130	AUTO 9
	131⇔140	AUTO 10
	141⇔150	PR.01
	151⇔160	PR.02
	161⇔170	PR.03
	171⇔180	PR.04
	181⇔190	PR.05
	191⇔200	PR.06
	201⇔210	PR.07
	211⇔220	PR.08
	221⇔230	PR.09
	231⇔255	PR.10
9		**AUTO SPEED ADJUSTMENT**
	0⇔255	When using CH10,AUTO01-AUTO10, this function activated
10		**DIMMER SPEED**
	0⇔9	PRESET DIMMER SPEED FROM DISPLAY MENU
	10⇔29	LINEAR DIMMER
	30⇔69	NON LINEAR DIMMER 1（fastest）
	70⇔129	NON LINEAR DIMMER 2
	130⇔189	NON LINEAR DIMMER 3
	190⇔255	NON LINEAR DIMMER 4（slowest）

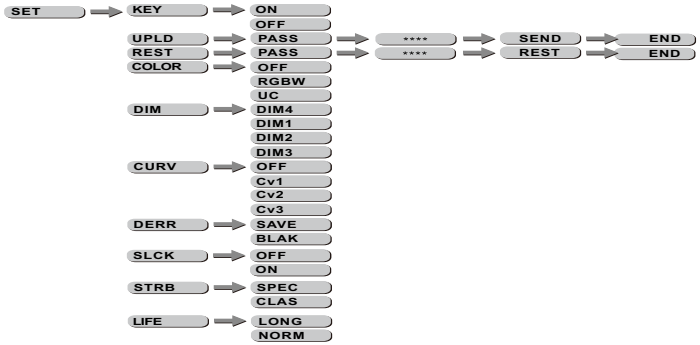
3.7 PERSONALITY



【*PERSONALITY*】

● Enter the【***PERSONALITY***】mode to select DMX mode:【***TOUR***】,【***TR16***】, 【***ARC.1***】,【***AR1.D***】,【***ARC.2***】,【***AR2.D***】,【***AR2.S***】or【***HSV***】

3.8 SPECIAL SETTINGS



【*SETTING*】

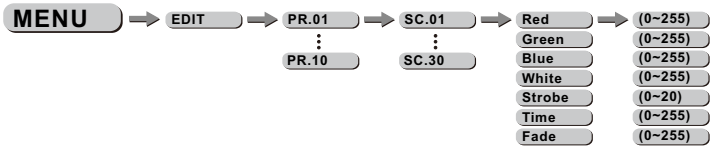
【*KEY*】

● Enter the【***KEY***】mode to select whether the access password is on or off.
● When the fixture is set as PASS【***ON***】, after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.

Note: The factory access password is【***UP***】+【***DOWN***】+【***UP***】+【***DOWN***】, then press【***ENTER***】to confirm the access.

● Select【***UPLD***】to upload the custom programs from the current MASTER unit to the SLAVE units.
● In order to activate the upload function the password must be entered.
● Password is the same as the main access password.
● When uploading the MASTER and SLAVE units will display YELLOW.
● If an error occurs when uploading the MASTER and/or SLAVE units will display RED.
● On successful uploading of the custom programs the MASTER and SLAVE units will display GREEN.
● In order to reset custom modes to default values select【***REST***】.
● 【***COLOR***】is for activate/unactivate the color calibration functions. When【***RGBW***】is selected, on RGBW = 255,255,255, 255 the color is displayed as calibrated in CAL2 -- RGBW. When【***COLOR***】is set【***OFF***】, on RGBW = 255,255,255,255 the RGBW values are not adjusted and the output is most powerful. When [***UC***] is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations..
● 【***LIFE***】BATTERY LIFE ; LONG for extended battery operation (approx. 10hrs), NORM for standard battery operation (approx. 8hrs).

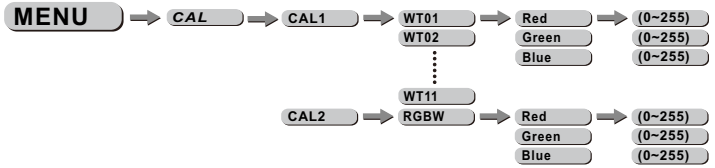
3.9 EDITING CUSTOM PROGRAMS



【*EDIT CUSTOM*】

- Enter the【***EDIT***】mode to edit the custom programs【***PR.01***】to 【***PR.10***】.
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using RED【***Red***】, GREEN【***Green***】, BLUE【***Blue***】, STROBE【***Strobe***】, TIME【***Time***】& FADE【***Fade***】.

3.10 WHITES CALIBRATION



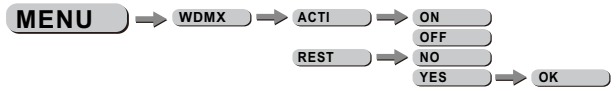
【*CAL1*】

- Enter the【***CAL1***】to select white color of different color temperature.
- There are 11 pre-programmed White colors can be edited by using【***Red***】, 【***Green***】&【***Blue***】.

【*CAL2*】

- Enter the【***CAL2***】to adjust the RGB parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255, the white color will be made by the actual RGB values on the【***CAL2***】.

3.12 WDMX SETTINGS



【*WDMX*】

- Enter【***WDMX***】menu to change WDMX settings
- Enter the【***ACTI***】menu to turn ON/OFF WDMX functionality
- Enter the【***REST***】menu to reset the WDMX pairing (note that only when the WDMX receiver card is reset can it be paired with a new WDMX transmitter card)

4 USING A DMX512 CONTROLLER

4.1 BASIC ADDRESSING

- Set the DMX512 address in the【***DMX***】menu.
- It is possible to have the same DMX address or independent addresses for each fixture.

4.2 CHANNEL ASSIGNMENT

- Note:This product has six DMX512 channel configurations:【***TOUR***】, 【***TR16***】,【***ARC.1***】, 【***AR1.D***】, 【***ARC.2***】, 【***AR2.D***】,【***AR2.S***】 and【***HVS***】.

TOUR

CHANNEL	VALUE	FUNCTION
1	0⇔255	**MASTER DIMMER**
2	0⇔255	**RED** (or STEP TIME when CUS.01-CUS.10 in CH10 is activated)
3	0⇔255	**GREEN** (or FADE TIME when CUS.01-CUS.10 in CH10 is activated)
4	0⇔255	**BLUE**
5	0⇔255	**White**
6	0⇔5	NO FUNCTION
	11⇔30	RED100%/GREEN UP/BLUE0%
	31⇔50	RED DOWN/GREEN 100%/BLUE0%
	51⇔70	RED 0%/GREEN 100%/BLUE UP
	71⇔90	RED 0%/GREEN DOWN/BLUE 100%
	91⇔110	RED UP/GREEN 0%/BLUE100%
	111⇔130	RED100%/GREEN 0%/BLU EDOWN
	131⇔150	RED100%/GREEN UP/BLUE UP
	151⇔170	RED DOWN/GREEN DOWN/BLUE 100%
	171⇔200	RED100%/GREEN 100%P/BLUE100%
	201⇔205	WHITE1: 3200K
	206⇔210	WHITE2: 3400K
	211⇔215	WHITE3: 4200K
	216⇔220	WHITE4: 4900K